

Table 1-2
Groundwater Standards for
Pesticides and PCBs
 2007 BNL Groundwater Status Report

CHEMICAL CONSTITUENT	CAS #	NYSDEC GROUNDWATER QUALITY STANDARDS AND GUIDANCE VALUES µg/L (a)	FEDERAL DRINKING WATER STANDARDS (b) µg/L
PESTICIDES & PCBs			
4,4'-DDD	72-54-8	0.3	-
4,4'-DDE	72-55-9	0.2	-
4,4'-DDT	50-29-3	0.2	-
Aldrin	309-00-2	ND	-
alpha-BHC	319-84-6	0.01	-
alpha-Chlordane	5103-71-9	0.09(c)	2
Aroclor-1016	12674-11-2	0.09(c)	-
Aroclor-1221	11104-28-2	0.09(c)	-
Aroclor-1232	11141-16-5	0.09(c)	-
Aroclor-1242	53469-21-9	0.09(c)	-
Aroclor-1248	12672-29-6	0.09(c)	-
Aroclor-1254	11097-69-1	0.09(c)	-
Aroclor-1260	11096-82-5	0.09(c)	-
beta-BHC	319-85-7	0.04	-
delta-BHC	319-86-8	0.04	-
Dieldrin	60-57-1	0.004	-
Endosulfan I	959-98-8	-	-
Endosulfan II	33213-65-9	-	-
Endosulfan sulphate	1031-07-8	-	-
Endrin	72-20-8	ND	2
Endrin aldehyde	7421-93-4	5	-
Endrin ketone	53494-70-5	5	-
gamma-BHC (Lindane)	58-89-9	0.05	0.2
gamma-Chlordane	5103-74-2	-	2
Heptachlor	76-44-8	0.04	0.4
Heptachlor Epoxide	1024-57-3	0.03	0.2
Methoxychlor	72-43-5	35	40
Toxaphene	8001-35-2	0.06	-
PCB (total)	-	0.09	0.5

Notes:

- No standard available
- ND Non-detectable
- (a) NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
- (b) USEPA February 1996, Drinking Water Regulations and Health Advisories. Note that the information under MCL was converted from mg/l to µg/L in order to maintain uniform units for this table.
- (c) Standard listed applies to the sum of these substances.
- PCBs Polychlorinated Biphenyls
- NYSDEC New York State Department of Environmental Conservation
- USEPA United States Environmental Protection Agency
- µg/L micrograms per liter
- mg/l milligrams per liter
- MCL Maximum Containment Level